

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-21159

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Yates Petroleum Corporation

3. ADDRESS OF OPERATOR  
 207 So. 4th St., Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)  
 At surface  
 330' FNL and 990' FEL of Sec. 28-17S-25E  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approx. 5 miles West of Artesia, N.M. 88210

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
 Approx. 1500'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)  
 3554 GR

22. APPROX. DATE WORK WILL START\*  
 As soon as approved

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 0219603-~~4~~

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Federal BZ

9. WELL NO.  
 10

10. FIELD AND POOL, OR WILDCAT  
 Eagle Creek, S.A.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 28-17S-25E

12. COUNTY OR PARISH  
 Eddy

13. STATE  
 N.M.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	10 3/4"	32#	Approx. 200'	Circulate
9 7/8"	7"	20#	Approx. 1100'	Circulate
6 1/4"	4 1/2" tapered 5 1/2"	9.5, 15.5#	Approx. 1500'	Circulate

We propose to drill a 14 3/4" hole to approximately 200', set 10 3/4" casing, if necessary, and circulate, then drill 9 7/8" hole to 100' below Artesian Zone, set 7" surface casing and circulate, reduce hole to 6 1/4" and drill to TD of approximately 1500', run a tapered string of production casing, cement, perforate and Sand Frac for Slaughter production.

Mud Program: Fresh water gel and LCM to 1100 (or dry drill), water from casing point to TD.

BOP Program: BOP's will be installed on 7" casing and tested.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical. Give blowout preventer program, if any.

24. SIGNED Eddie L. Beekman J. C. C. ARTESIA, OFFICE Engineer DATE 3-26-74

(This space for Federal or State office use)

APPROVED  
 APR 3 - 1974  
 L. BEEKMAN  
 ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.  
 JUL 3 - 1974  
 See Instructions On Reverse Side

DECLARED WATER BASIN  
 1024  
 CEMENT BEHIND THE CASING MUST BE CIRCULATED  
 NOTIFY USGS IN SUFFICIENT TIME TO FINISH CEMENTING THE 7" CASING.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION FORM

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

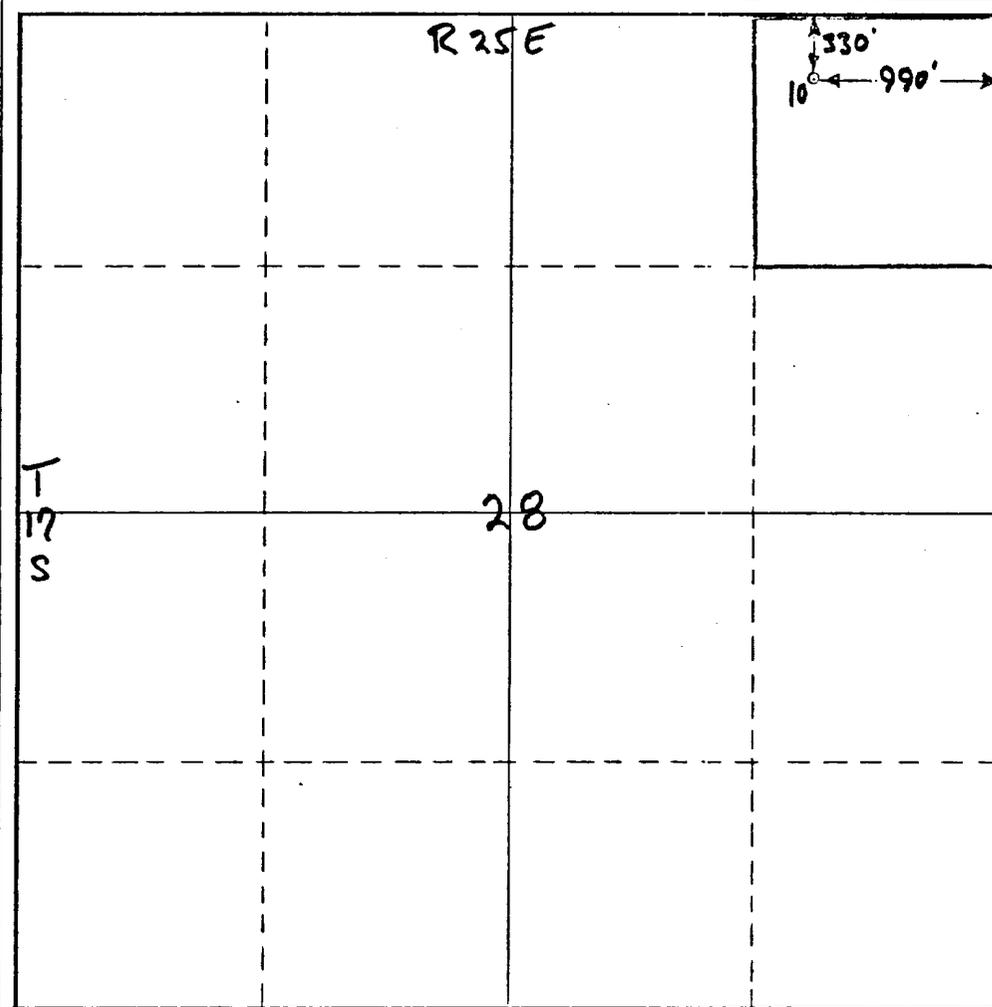
Operator <b>Yates Petroleum Corporation</b>		Lease <b>Federal "BZ"</b>		Well No. <b>10</b>
Unit Letter <b>A</b>	Section <b>28</b>	Township <b>17S</b>	Range <b>25E</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>330</b> feet from the <b>North</b> line and <b>990</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3554</b>	Producing Formation <b>San Andres</b>	Pool <b>Eagle Creek S.A.</b>	Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Eddie M. Mahfood*

Name

**Eddie M. Mahfood**

Position

**Engineer**

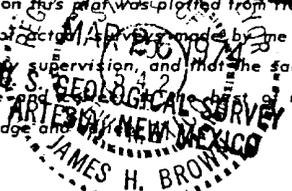
Company

**Yates Pet. Corp.**

Date

**3-22-74**

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I hereby certify that the information shown on this plat was plotted from field notes of a survey made by me or under my supervision, and that the same is true to the best of my knowledge and belief.



Date Surveyed

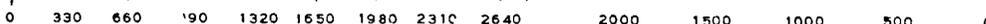
*March 22 1974*

Registered Professional Engineer  
and/or Land Surveyor

*James H. Brown*

Certificate No.

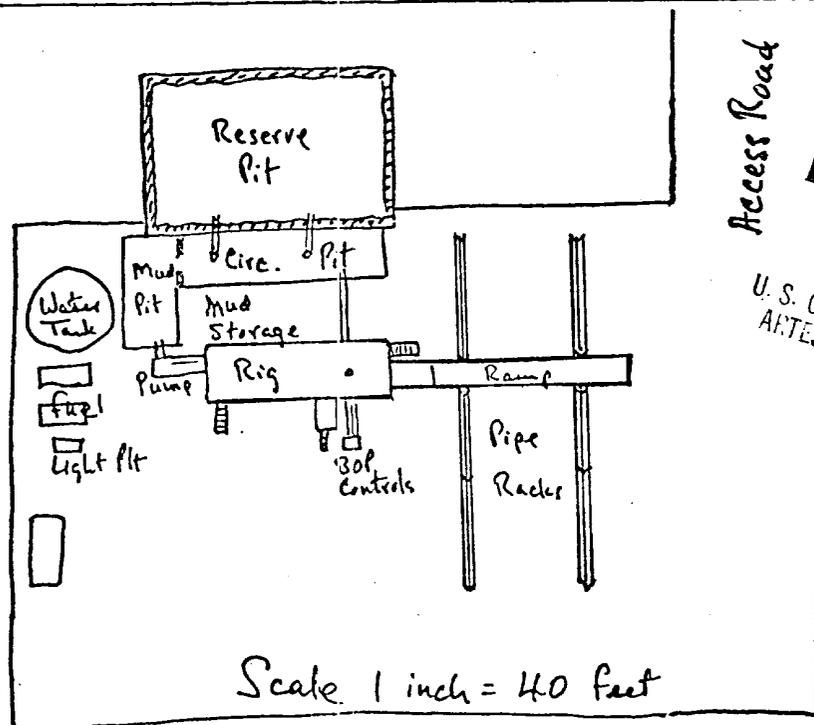
**542**



Yates Petroleum Corporation  
 Federal "BZ" No. 10 990' FEL 330' FNL  
 Section 28-T17S-R25E, Eddy County, New Mexico

Development plan for surface use to accompany, "Applications to Drill Onshore Oil, Gas, or Geothermal Steam Wells on Public Domain and acquired Federal Lands:"

1. Existing roads. See attached Topo map - Company maintained caliche roads.
2. Planned access roads. See attached Topo map. To blade road South from existing road and gravel surface where caliche outcrop is absent.
3. Location of wells. See attached Topo map. In-fill well in Eagle Creek San Andres Field.
4. Lateral roads to wells locations. See attached Topo map. This location is near tank battery and existing road; no lateral needed.
5. Location of tank batteries and flowlines. See attached Topo map. Tank battery in adjacent 40-acre spacing alongside main road.
6. Locations and types of water supply. Fresh water trucked from source well in Eagle Creek field.
7. Methods for handling waste disposal. Engine oil and mud in circulating pit, trash in trash barrel for subsequent approved disposal (City dump.)
8. Location of camps. N.A.
9. Location of airstrips. N.A.
10. Location layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc. See sketch below.
11. Plans for restoration of the surface. Mud pits will be dried and leveled or fenced, surface restored near original upon abandonment.
12. Any other information which the Approving Official considers essential to his assessment of the impact on the environment. Rolling grassland, grazing permit, environment protected to satisfaction of rancher, W.E. McIlhaney, 746-3034, Box 38, Routel, Artesia, New Mexico. 88210.



Access Road

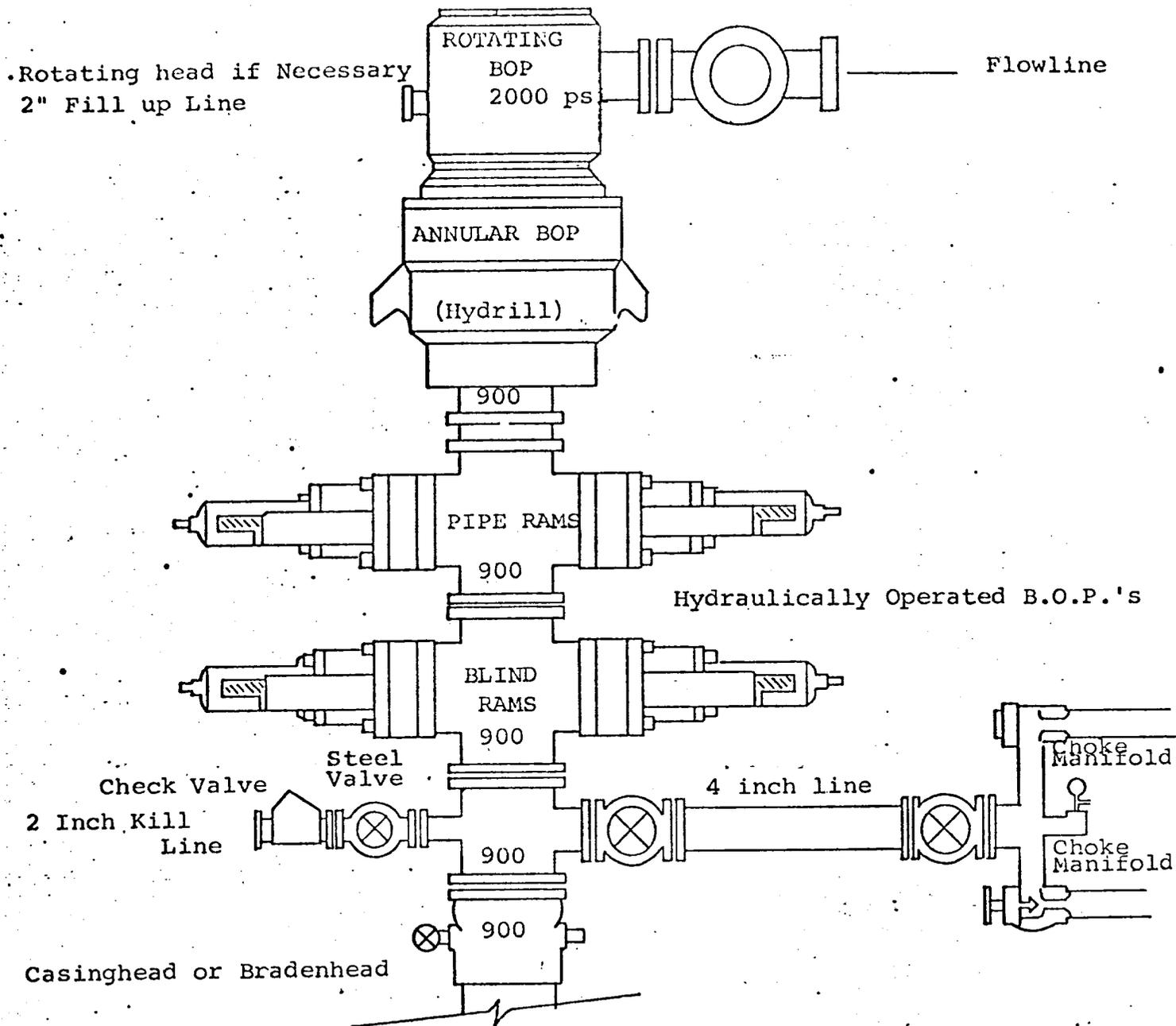
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 ARTESIA, NEW MEXICO

Submitted by  
 Yates Petroleum Corporation

Approved by  
 B.L.M., Dept. of Interior

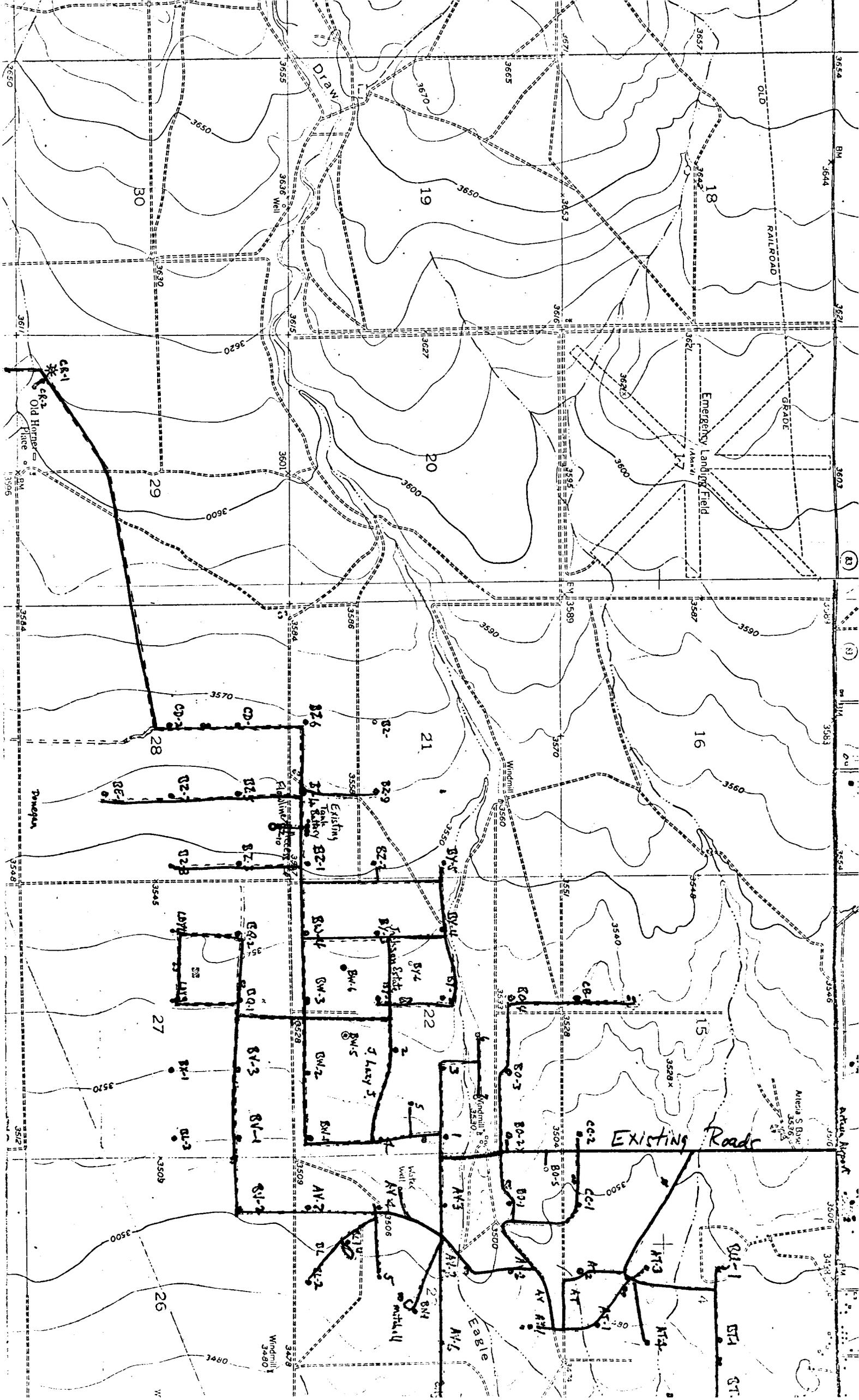
by Eddie M. Mahfood  
 Eddie M. Mahfood, Engineer

DIAGRAMMATIC SKETCH OF 3000 PSI BOP ASSEMBLY



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

1. All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
2. Choke outlet to be a minimum of 4" diameter.
3. Kill line to be of all steel construction of 2" minimum diameter.
4. All connections from operating manifolds to preventers to be all steel hole or tube a minimum of one inch in diameter.
5. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
6. All Connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
7. Inside blowout preventer to be available on rig floor.
8. Operating controls located a safe distance from the rig floor.
9. Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
10. Drill pipe must be installed and used below zone of first gas intrusion.
11. Anticipated Bottom Hole Pressure is less than 400 psi.
12. No Kelly Cock or manual valves necessary.
13. BOP's Tested prior to drilling casing shoe, TD reached estimated 24 hrs.



Draw

OLD RAILROAD

Emergency Landings Field

GRADE

Dunegan

Existing Roads

Artica Airport

Eagle

Windmill

Water Well

Windmill

Old Horners Place

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